

Material contains information affecting
the national defense of the United States
and is subject to the espionage laws
of the United States, Title 18, U.S. Code,
Sections 793 and 794; the
transmission of which to any
unauthorized person is prohibited by law.

Unclassified

SECRET 1953

Classification changed to CONFIDENTIAL by authority of the U. S. Atomic Energy Commission

Per J. D. Kuskin REPOSITORY (Signature of person authorizing change in classification)

(Reason authorizing change in classification)

O/P DS/SHAW'S NAT (A/B)

By M. J. D. Kuskin COLLECTION (Signature of person authorizing change in classification and date)

BOX NO.

12/1/61

R-5287

404464

FOLDER

Classification changed to CONFIDENTIAL by authority of the U. S. Atomic Energy Commission, by

Vernon C. Johnson Office Belcher

To: Commander Harris
Bikini CTG 1-2
Padsafe P.A.C.

Through: Bednary
Glen Court Four One Six Seven
Oakland Army Base

The following is a report on samples sent to W. Longham, Los Alamos from PadSafe, Bikini.

Whiting (Av-Fourteen). Ships water line scale, paint and rust.
Beta disintegration per minute per gram - Thirty-three hundred.

Whiting (Av-Fourteen). Boat exhaust pipes outside of hull at water line.
Beta disintegration per minute per gram - Three-hundred ninety-three thousand.

Whiting (Av-Fourteen). Number two auxiliary condenser. Deposit removed from interior condenser zinc plate. Beta disintegration per minute per gram - One hundred sixty-one thousand; Alpha disintegration per minute per gram - One hundred and ninety-four; Ratio of beta to alpha - Eight hundred and Thirty.

Whiting (Av-Fourteen). Number One evaporator (First effect tube sheet). Beta disintegration per minute per gram - One hundred and seven thousand; Alpha disintegration per minute per gram - Twenty-three; Ratio of beta to alpha - Four thousand Six hundred and fifty.

Whiting (Av-Fourteen). Number 2 evaporator (first effect tube sheet). Beta disintegration per minute per gram - One hundred and eighty-two thousand; Alpha disintegration per minute per gram - Ninety-nine; Ratio of beta to alpha - Two thousand eight hundred and forty.

Whiting (Av-Fourteen). Evaporators number two unit. Beta disintegration per minute per gram - One hundred ninety-two thousand; Alpha disintegration per minute per gram - One hundred and one; Ratio of beta to alpha - One thousand Nine hundred.

Whiting (Av-Fourteen). Evaporators number one unit. Beta disintegration per minute per gram - Thirty-five thousand two hundred; Alpha disintegration per minute per gram - Ten; Ratio of beta to alpha - Three thousand five hundred and twenty.

Henrico. Evaporator scale. Beta disintegration per minute per gram - One hundred and sixty-six thousand; Alpha disintegration per minute per gram - fourteen; Ratio of beta to alpha - Eleven thousand Eight hundred and fifty.